



## **Federal Implementation Guideline for Electronic Data Interchange**

**ASC X12 003060 Transaction Set 846D  
Inventory Inquiry/Advice  
(LR Storage/Transfer/Decapitalization)**

### **Implementation Convention**



**U.S. DEPARTMENT OF COMMERCE**  
Technology Administration  
National Institute of  
Standards and Technology

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<sup>1</sup>At Boulder, CO 80303.

<sup>2</sup>Some elements at Boulder, CO.

# **Federal Implementation Guideline for Electronic Data Interchange**

## **ASC X12 003060 Transaction Set 846D Inventory Inquiry/Advice (LR Storage/Transfer/Decapitalization)**

### **Implementation Convention**

Electronic Commerce Acquisition Program Management Office  
Standard Management Committee - Secretariat  
National Institute of Standards and Technology  
Gaithersburg, MD 20899-0001

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The National Institute of Standards and Technology (NIST)'s Information Technology Laboratory (ITL) develops standards and guidelines, provides technical assistance, and conducts research for computers and resources. As part of the overall federal effort to establish a single face to industry for conducting electronic commerce, ITL has been designated as the organization responsible for coordinating the development of Federal Implementation Conventions (ICs) for Electronic Data Interchange (EDI). ICs are defined by functional-area experts who create and select options from standard EDI Transaction Sets to yield the implementations to be used for practical EDI. These ICs are made available to federal agencies and industry by electronic means and this Special Publication Series.

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# 846 Inventory Inquiry/Advice

Functional Group ID=**IB**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Inventory Inquiry/Advice Transaction Set (846) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used in the following ways: (1) for a seller of goods and services to provide inventory information to a prospective purchaser, with no obligation to the purchaser to acquire these goods or services; (2) for a representative of a seller of goods and services to supply inventory information to that seller; (3) for one location to supply another location with inventory information; and (4) for an inquiry as to the availability of inventory with no obligation on the seller of goods and services to reserve that inventory.

## Notes:

- 1. Losing Item Managers (LIMs) use this transaction set to provide the Gaining Item Manager (GIM) with Logistics Reassignment (LR) transfer and decapitalization quantities. GIMs use this transaction set to inquire for LR transfer decapitalization data when none was received.*
- 2. Use a single occurrence of this transaction set to exchange transactions between a single LIM and a single or multiple GIMs, or between a single GIM and a single or multiple LIMs. Use one occurrence of this transaction set to transmit a single or multiple transactions.*
- 3. Users operating under the Defense Logistics Management System (DLMS) must reference the Unit of Issue and Purchase Unit Conversion Table which can be found on the National Institute of Standards and Technology (NIST) World Wide Web site.*

## Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BIA	Beginning Segment for Inventory Inquiry/Advice	M	1		
Not Used	040	CUR	Currency	O	1		
Not Used	050	DTM	Date/Time Reference	O	10		
Not Used	060	REF	Reference Identification	O	12		
Not Used	070	PER	Administrative Communications Contact	O	3		
Not Used	075	MEA	Measurements	O	20		
LOOP ID - NI						5	
Must Use	080	N1	Name	O	1		
Not Used	090	N2	Additional Name Information	O	2		
Not Used	100	N3	Address Information	O	2		
Not Used	110	N4	Geographic Location	O	1		
Not Used	120	REF	Reference Identification	O	12		
Not Used	130	PER	Administrative Communications Contact	O	3		
LOOP ID - LM						10	
Not Used	140	LM	Code Source Information	O	1		
Not Used	150	LQ	Industry Code	M	100		

**Detail:**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - LIN			10000	
Must Use	010	LIN	Item Identification	M	1		
Not Used	030	PID	Product/Item Description	O	200		
Not Used	040	MEA	Measurements	O	40		
Not Used	050	PKG	Marking, Packaging, Loading	O	25		
	100	DTM	Date/Time Reference	O	10		
	110	CTP	Pricing Information	O	25		
Not Used	120	CUR	Currency	O	1		
Not Used	130	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
	140	REF	Reference Identification	O	>1		
Not Used	150	PER	Administrative Communications Contact	O	3		
Not Used	220	SDQ	Destination Quantity	O	500		
Not Used	230	MAN	Marks and Numbers	O	1		
Not Used	235	UIT	Unit Detail	O	5		
	240	CS	Contract Summary	O	1		
Not Used	250	DD	Demand Detail	O	>1		
Not Used	255	G53	Maintenance Type	O	1		
Not Used	256	PCT	Percent Amounts	O	>1		
Not Used	257	LDT	Lead Time	O	12		
			LOOP ID - LM			10	
	260	LM	Code Source Information	O	1		
Must Use	270	LQ	Industry Code	M	100		
			LOOP ID - SLN			1000	
Not Used	280	SLN	Subline Item Detail	O	1		
Not Used	290	PID	Product/Item Description	O	200		
Not Used	300	MEA	Measurements	O	40		
Not Used	310	PKG	Marking, Packaging, Loading	O	25		
			LOOP ID - MAN			100	
Not Used	312	MAN	Marks and Numbers	O	1		
Not Used	314	MEA	Measurements	O	40		
			LOOP ID - QTY			99	
	320	QTY	Quantity	O	1		
Not Used	330	UIT	Unit Detail	O	12		
Not Used	340	MEA	Measurements	O	25		
Not Used	350	LDT	Lead Time	O	12		
Not Used	355	DTM	Date/Time Reference	O	10		
			LOOP ID - SCH			25	
Not Used	360	SCH	Line Item Schedule	O	1		
Not Used	370	MEA	Measurements	O	25		
			LOOP ID - LM			>1	
	375	LM	Code Source Information	O	1		
Must Use	376	LQ	Industry Code	M	100		
Not Used	380	LS	Loop Header	O	1		
			LOOP ID - REF			>1	



## 846D - Inventory Inquiry/Advice (LR Storage/Transfer/Decapitalization)

Not Used	390	REF	Reference Identification	O	1	n1
Not Used	400	DTM	Date/Time Reference	O	>1	
Not Used	410	N1	Name	O	1	
LOOP ID - LM						10
Not Used	420	LM	Code Source Information	O	1	
Not Used	430	LQ	Industry Code	M	100	
Not Used	440	LE	Loop Trailer	O	1	
LOOP ID - N1						200
Must Use	450	N1	Name	O	1	
Not Used	460	N2	Additional Name Information	O	2	
Not Used	470	N3	Address Information	O	2	
Not Used	480	N4	Geographic Location	O	1	
Not Used	490	REF	Reference Identification	O	12	
Not Used	500	PER	Administrative Communications Contact	O	3	

**Summary:**

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
Not Used	010	CTT	Transaction Totals	O	1		n2
Must Use	020	SE	Transaction Set Trailer	M	1		

**Transaction Set Notes**

1. The REF loop conveys serial number, lot number, and inventory data.
2. Number of line items (CTT01) is the accumulation of number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (QTY02) of each QTY segment.

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3
			846 X12.28 Inventory Inquiry/Advice	
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i>	M AN 4/9



**Segment:** **BIA** Beginning Segment for Inventory Inquiry/Advice  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of an Inventory Inquiry/Advice Transaction Set  
**Syntax Notes:**  
**Semantic Notes:**

- 1 BIA03 identifies the number of the inquiry/advice that is transferred.
- 2 BIA04 identifies the date of the inquiry/advice that is transferred.
- 3 BIA05 identifies the time of the inquiry/advice that is transferred.

**Comments:**

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BIA01	353	Transaction Set Purpose Code Code identifying purpose of transaction set	M ID 2/2
			00 Original	
			77 Simulation Exercise	
			<i>Use to identify a simulated mobilization exercise transaction set. Activities initiating simulated mobilization exercises must ensure complete coordination with all activities involved. All transaction set recipients must use extreme caution to ensure that individual transactions do not process as actions documents which affect accountable records.</i>	
Must Use	BIA02	755	Report Type Code Code indicating the title or contents of a document, report or supporting item	M ID 2/2
			TK Logistics Transfer Inquiry	
			An inquiry as to the current status of material transfers between inventory managers	
			<i>Use to identify an inquiry for LR transfer/decapitalization data.</i>	
			TL Logistics Transfer Advice	
			A response to an inquiry for the current status of material transfers between inventory managers	
			<i>Use to identify an LR transfer/decapitalization transaction.</i>	
Must Use	BIA03	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
			<i>Use code "Z" for this data element to satisfy mandatory X12 syntax requirements.</i>	
Must Use	BIA04	373	Date Date (YYMMDD)	M DT 6/6
			<i>This date is the date of transaction set preparation and corresponds to the Universal Time Coordinate (UTC).</i>	
Must Use	BIA05	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O TM 4/8
			<i>1. Express the originating activity's time of transaction set preparation in UTC.</i>	

Not Used

BIA06

306

**2. Express time in a four-position (HHMM) format.**

**Action Code**

Code indicating type of action

**O ID 1/2**

**Segment:** **N1** Name  
**Position:** 080  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
2 N105 and N106 further define the type of entity in N101.  
**Notes:** *Must use the 1/N1/080 loop to identify the organization originating the transaction set.*

## Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, or an individual <i>Use only one of codes ZN or ZP.</i>	M ID 2/2
			ZN Losing Inventory Manager The organization losing management responsibility for an individual item of supply	
			ZP Gaining Inventory Manager The organization assuming management responsibility for an individual item of supply	
Not Used	N102	93	<b>Name</b> Free-form name	X AN 1/35
Must Use	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10	Department of Defense Activity Address Code (DODAAC)	
		M4	Department of Defense Routing Identifier Code (RIC) An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions	
Must Use	N104	67	<b>Identification Code</b> Code identifying a party or other code	X AN 2/20
Not Used	N105	706	<b>Entity Relationship Code</b> Code describing entity relationship	O ID 2/2
Must Use	N106	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, or an individual FR Message From <i>Must use with the appropriate 1/N101/080 code to indicate the organization cited in N104 is originating the transaction set.</i>	O ID 2/2



<b>Segment:</b>	<b>LIN</b> Item Identification
<b>Position:</b>	010
<b>Loop:</b>	LIN Mandatory
<b>Level:</b>	Detail
<b>Usage:</b>	Mandatory
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify basic item identification data
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either LIN04 or LIN05 is present, then the other is required.</li> <li>2 If either LIN06 or LIN07 is present, then the other is required.</li> <li>3 If either LIN08 or LIN09 is present, then the other is required.</li> <li>4 If either LIN10 or LIN11 is present, then the other is required.</li> <li>5 If either LIN12 or LIN13 is present, then the other is required.</li> <li>6 If either LIN14 or LIN15 is present, then the other is required.</li> <li>7 If either LIN16 or LIN17 is present, then the other is required.</li> <li>8 If either LIN18 or LIN19 is present, then the other is required.</li> <li>9 If either LIN20 or LIN21 is present, then the other is required.</li> <li>10 If either LIN22 or LIN23 is present, then the other is required.</li> <li>11 If either LIN24 or LIN25 is present, then the other is required.</li> <li>12 If either LIN26 or LIN27 is present, then the other is required.</li> <li>13 If either LIN28 or LIN29 is present, then the other is required.</li> <li>14 If either LIN30 or LIN31 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	1 LIN01 is the line item identification
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 See the Data Dictionary for a complete list of IDs.</li> <li>2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.</li> </ol>
<b>Notes:</b>	<i>Must use the 2/LIN/010 loop to identify the National Stock Number (NSN), transaction number, and inventory information associated with logistics transfer/decapitalization data.</i>

## Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Not Used	LIN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20
Must Use	LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) FS National Stock Number	M ID 2/2
Must Use	LIN03	234	Product/Service ID Identifying number for a product or service	M AN 1/40
Not Used	LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X ID 2/2
Not Used	LIN05	234	Product/Service ID Identifying number for a product or service	X AN 1/40
Not Used	LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X ID 2/2
Not Used	LIN07	234	Product/Service ID Identifying number for a product or service	X AN 1/40
Not Used	LIN08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X ID 2/2
Not Used	LIN09	234	Product/Service ID Identifying number for a product or service	X AN 1/40
Not Used	LIN10	235	Product/Service ID Qualifier	X ID 2/2

			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN11	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN12	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN13	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN14	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN15	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN16	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN17	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN18	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN19	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN20	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN21	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN22	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN23	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN24	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN25	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN26	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN27	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN28	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN29	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN30	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN31	234	Product/Service ID Identifying number for a product or service	X	AN 1/40



**Segment:** **DTM** Date/Time Reference  
**Position:** 100  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM06 is required.  
 2 If either DTM06 or DTM07 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** *Use multiple repetitions as needed to define other dates associated with the transaction.*

## Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	<b>M ID 3/3</b>
		007	Effective <i>Use to identify the Effective Transfer Date (ETD).</i>	
		036	Expiration Date coverage expires <i>Use for subsistence items in logistics transfer/decapitalization report transactions to identify the expiration date.</i>	
		510	Date Packed <i>Use for subsistence items in logistics transfer/decapitalization report transactions to identify the date packed.</i>	
Must Use	DTM02	373	<b>Date</b> Date (YYMMDD)	<b>X DT 6/6</b>
Not Used	DTM03	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	<b>X TM 4/8</b>
Not Used	DTM04	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	<b>O ID 2/2</b>
	DTM05	624	<b>Century</b> The first two characters in the designation of the year (CCYY)	<b>O NO 2/2</b>
Not Used	DTM06	1250	<b>Date Time Period Format Qualifier</b> Code indicating the date format, time format, or date and time format	<b>X ID 2/3</b>
Not Used	DTM07	1251	<b>Date Time Period</b> Expression of a date, a time, or range of dates, times or dates and times	<b>X AN 1/35</b>



**Segment:** **CTP** Pricing Information

**Position:** 110

**Loop:** LIN Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 25

**Purpose:** To specify pricing information

**Syntax Notes:**

- 1 If either CTP04 or CTP05 is present, then the other is required.
- 2 If CTP06 is present, then CTP07 is required.
- 3 If CTP09 is present, then CTP02 is required.
- 4 If CTP10 is present, then CTP02 is required.

**Semantic Notes:**

- 1 CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
- 2 CTP08 is the rebate amount.

**Comments:**

- 1 See Figures Appendix for an example detailing the use of CTP03 and CTP04.  
See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

**Notes:** *Must use with LR transfer/decapitalization transactions. Do not use with inquiries for LR transfer/decapitalization data.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	CTP01	687	Class of Trade Code Code indicating class of trade	O ID 2/2
Must Use	CTP02	236	Price Identifier Code Code identifying pricing specification STA Standard Price Indicates a standard unit price, including all surcharges <i>Use to cite the unit price in effect for valuing the inventory.</i>	X ID 3/3
Must Use	CTP03	212	Unit Price Price per unit of product, service, commodity, etc. <i>Express the unit price in dollars and cents, including the decimal.</i>	O R 1/17
Not Used	CTP04	380	Quantity Numeric value of quantity	X R 1/15
Not Used	CTP05	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	X
Not Used	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M ID 2/2
Not Used	C00102	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00103	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00104	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00105	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00106	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00107	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in	O ID 2/2

Not Used	C00108	1018	which a measurement has been taken <b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00109	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00110	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00111	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00112	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00113	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00114	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00115	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	CTP06	648	<b>Price Multiplier Qualifier</b> Code indicating the type of price multiplier	O ID 3/3
Not Used	CTP07	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	X R 1/10
Not Used	CTP08	782	<b>Monetary Amount</b> Monetary amount	O R 1/15
Not Used	CTP09	639	<b>Basis of Unit Price Code</b> Code identifying the type of unit price for an item	O ID 2/2
Not Used	CTP10	499	<b>Condition Value</b> Identifies rate restrictions or provisions	O AN 1/10
Not Used	CTP11	289	<b>Multiple Price Quantity</b> Quantity of units for a given price, e.g., 3 for \$10.00	O N0 1/2



<b>Segment:</b>	<b>REF</b> Reference Identification
<b>Position:</b>	140
<b>Loop:</b>	LIN Mandatory
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	>1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	1 REF04 contains data relating to the value cited in REF02.
<b>Comments:</b>	
<b>Notes:</b>	<i>Use up to 2 repetitions. Must use the first repetition to identify the controlling transaction number for this transaction. Use a second repetition only when processing an LR transfer/decapitalization transaction for a nonprocurement source receipt processed after the ETD, to identify the transaction number of the receipt thereby establishing an audit trail between the receipt of the item and its subsequent transfer/decapitalization.</i>

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 43 Supporting Document Number Supports or clarifies information and values represented in a document <i>Must use to identify the transaction number from the associated receipt transaction when applicable.</i> TN Transaction Reference Number <i>Use to identify the controlling transaction number for this transaction.</i>	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
Not Used	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
Not Used	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30



<b>Segment:</b>	<b>CS</b> Contract Summary
<b>Position:</b>	240
<b>Loop:</b>	LIN Mandatory
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To provide information about a contract
<b>Syntax Notes:</b>	1 If either CS04 or CS05 is present, then the other is required.
<b>Semantic Notes:</b>	1 CS09 is the permissible overage as a percentage of the total contract line item number (CLIN) quantity. 2 CS10 is the permissible shortage as a percentage of the total contract line item number (CLIN) quantity. 3 CS11 is the permissible overage dollar value specified by the contract above which discrepancy action is taken. 4 CS14 is the Unit of Measure stipulated in the contract. 5 CS15 is the contract line item number (CLIN) unit price specified in the contract. 6 CS17 conveys the Critical Application Indicator. A "Y" indicates that a Critical Application Indicator is specified in the contract; an "N" indicates that no Critical Application Indicator is specified in the contract. 7 CS18 conveys the Special Requirements Indicator. A "Y" indicates that a Special Requirements Indicator (requiring special testing and or evaluation) is specified in the contract; an "N" indicates that no Special Requirements Indicator is specified in the contract.
<b>Comments:</b>	1 CS04 may be used to identify the Contract Line Item Number (CLIN) or Extended (or Exhibit) Line Item Number (ELIN). 2 CS07 and CS13 can be used to indicate two different types of special services required.
<b>Notes:</b>	<i>Use for LR transfer/decapitalization transactions for items received from a procurement source by the LIM after the ETD, to establish an audit trail between the receipt and its subsequent transfer/decapitalization. The control number for this transaction is identified in the 2/REF/140 segment.</i>

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CS01	367	Contract Number Contract number <i>Use to identify the contract number of the associated receipt.</i>	O AN 1/30
Not Used	CS02	327	Change Order Sequence Number Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	O AN 1/8
	CS03	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction <i>Use to cite the call or order number, or the call or order number including the respective call or order modification, as applicable.</i>	O AN 1/30
	CS04	128	Reference Identification Qualifier Code qualifying the Reference Identification <i>Cite the appropriate code from the associated receipt transaction when applicable.</i>	X ID 2/3
		83	Extended (or Exhibit) Line Item Number (ELIN) Identifies specific line items to be delivered for a contract <i>Use to identify the Exhibit Line Item Number (ELIN), or the ELIN including the Subexhibit Line Item Number (SUBELIN), as appropriate.</i>	

C7

Contract Line Item Number

*Use to identify the Contract Line Item Number (CLIN), or the CLIN including the Subcontract Line Item Number (SUBCLIN), as appropriate.*

	CS05	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	CS06	324	Purchase Order Number	O	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
Not Used	CS07	560	Special Services Code	O	ID 2/10
			Code identifying the special service		
Not Used	CS08	433	F.O.B. Point Code	O	ID 2/2
			Code identifying type of F.O.B. point		
Not Used	CS09	954	Percent	O	R 1/10
			Percentage expressed as a decimal		
Not Used	CS10	954	Percent	O	R 1/10
			Percentage expressed as a decimal		
Not Used	CS11	782	Monetary Amount	O	R 1/15
			Monetary amount		
Not Used	CS12	336	Terms Type Code	O	ID 2/2
			Code identifying type of payment terms		
Not Used	CS13	560	Special Services Code	O	ID 2/10
			Code identifying the special service		
Not Used	CS14	355	Unit or Basis for Measurement Code	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	CS15	212	Unit Price	O	R 1/17
			Price per unit of product, service, commodity, etc.		
Not Used	CS16	336	Terms Type Code	O	ID 2/2
			Code identifying type of payment terms		
Not Used	CS17	1073	Yes/No Condition or Response Code	O	ID 1/1
			Code indicating a Yes or No condition or response		
Not Used	CS18	1073	Yes/No Condition or Response Code	O	ID 1/1
			Code indicating a Yes or No condition or response		

**Segment:** **LM** Code Source Information  
**Position:** 260  
**Loop:** LM Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit standard code list identification information  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 LM02 identifies the applicable industry code list source information.  
**Notes:** 1. Use this 2/LM/260 loop to identify information maintained in department or agency documentation.  
2. Use the 2/LM/260 loop in LR transfer/decapitalization inquiries or when reversing a previously submitted transaction to identify the type of transaction.

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LM01	559	Agency Qualifier Code Code identifying the agency assigning the code values DF Department of Defense (DoD)	M ID 2/2
Not Used	LM02	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15



**Segment:** **LQ** Industry Code  
**Position:** 270  
**Loop:** LM Optional  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 100  
**Purpose:** Code to transmit standard industry codes  
**Syntax Notes:** 1 If LQ01 is present, then LQ02 is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** *Use to identify codes, as appropriate, consistent with management information requirements.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LQ01	1270	Code List Qualifier Code Code identifying a specific industry code list	O ID 1/3
			0 Document Identification Code Codes that subclassify a transaction	
			80 Advice Code Instructions to transaction recipients when narratives cannot be transmitted <i>Use when submitting a duplicate LR transfer/decapitalization transaction in response to an inquiry for LR transfer/decapitalization data.</i>	
			AK Distribution Code Code identifying activities eligible to receive additional status	
Must Use	LQ02	1271	Industry Code Code indicating a code from a specific industry code list	X AN 1/30

**Segment:** **QTY** Quantity  
**Position:** 320  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify quantity information  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** *Use multiple iterations of the 2/QTY/320 loop to stratify quantities by material classification. Use only in LR transfer/decapitalization report transactions.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	QTY01	673	Quantity Qualifier Code specifying the type of quantity <i>To reverse all or part of an LR transfer/decapitalization transaction, use a minus sign in front of the quantity being reversed.</i> 78 Stock Transfers Out <i>Use to identify the quantity for an LR transfer transaction.</i> V3 Transfer Quantity <i>Use to identify the quantity for an LR decapitalization transaction.</i>	M ID 2/2
Must Use	QTY02	380	Quantity Numeric value of quantity <i>Express as a number with no decimals.</i>	M R 1/15
	QTY03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	O
Must Use	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>Use to accommodate legacy system requirements. DLMS users see the Unit of Issue and Purchase Unit Conversion Table for available codes.</i>	M ID 2/2
Not Used	C00102	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00103	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00104	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00105	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00106	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00107	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00108	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00109	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10

Not Used	C00110	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00111	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00112	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00113	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00114	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00115	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10



**Segment:** **LM** Code Source Information  
**Position:** 375  
**Loop:** LM Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit standard code list identification information  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 LM02 identifies the applicable industry code list source information.  
**Notes:** *Use the 2/LM/375 loop to identify coded information maintained in department or agency documentation.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LM01	559	Agency Qualifier Code Code identifying the agency assigning the code values DF Department of Defense (DoD)	M ID 2/2
Not Used	LM02	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15

**Segment:** **LQ** Industry Code  
**Position:** 376  
**Loop:** LM Optional  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 100  
**Purpose:** Code to transmit standard industry codes  
**Syntax Notes:** 1 If LQ01 is present, then LQ02 is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** *Use to identify codes, as appropriate, consistent with management information requirements.*

## Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	LQ01	1270	Code List Qualifier Code	O ID 1/3
			Code identifying a specific industry code list	
			<i>Use one of codes 99 or A1 (but not both).</i>	
		83	Supply Condition Code	
			Classifies material by readiness for issue and use, describes actions underway to change the status of material, or identifies material as excess or not serviceable	
		87	Subsistence Type of Pack Code	
			A certain level of protection from the packing or outside shipping container for perishable and nonperishable subsistence items	
			<i>Use for subsistence items to identify subsistence type of pack information.</i>	
		99	Purpose Code	
			Codes that inform the material owner why an inventory balance is being reserved	
		A1	Ownership Code	
			Items included in the inventory records of an organization that is not the owner of the items	
Must Use	LQ02	1271	Industry Code	X AN 1/30
			Code indicating a code from a specific industry code list	

**Segment:** **N1** Name  
**Position:** 450  
**Loop:** N1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
2 N105 and N106 further define the type of entity in N101.  
**Notes:** 1. *Must use one iteration to identify the organization to receive the transaction.*  
2. *Use to identify the storage location.*

## Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual <i>Use only one of codes ZN or ZP.</i>	M ID 2/2
		LG	Location of Goods <i>Use for LR transfer/decapitalization transactions to identify the storage location of the material being logistically reassigned.</i>	
		ZN	Losing Inventory Manager The organization losing management responsibility for an individual item of supply	
		ZP	Gaining Inventory Manager The organization assuming management responsibility for an individual item of supply	
Not Used	N102	93	Name Free-form name	X AN 1/35
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10	Department of Defense Activity Address Code (DODAAC)	
		M4	Department of Defense Routing Identifier Code (RIC) An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions	
Must Use	N104	67	Identification Code Code identifying a party or other code	X AN 2/20
Not Used	N105	706	Entity Relationship Code Code describing entity relationship	O ID 2/2
	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual TO Message To	O ID 2/2



*Use with 2/N101/450 code ZN or ZP to indicate the organization cited in N104 is receiving the transaction.*

**Segment:** **SE** Transaction Set Trailer  
**Position:** 020  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 SE is the last segment of each transaction set.

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	M NO 1/10
Must Use	SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>Cite the same number as the one cited in ST02.</i>	M AN 4/9







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